

TX-0804

8-Trunk/4-Extension PBX Board

TX-0804 is a PCI bus PBX board that provides 8-channel analog trunk line interface, 4-channel extension line interface, 12-channel voice processing function, and call progress analysis. In addition, 7 tone plants and SCSA bus digital switching are also equipped onboard. Jumperless configuration eases the hardware installation. Through a polling and shared memory technique, up to 16 TX-0804 boards can operate simultaneously in a single system -- the maximum number of lines that can be supported depends on the application, the amount of disk I/O required, and the power of the host computer used.

Drivers /API

- Drivers for Windows NT and Windows 2000
- DLL type driver supports almost all kinds of programming languages
- API for C, VB are available

FEATURES & BENEFITS

- Single board PBX card provides full-function non-blocking switching
- 12 independent voice ports per board
- 8-channel independent analog trunk line interface
- 4-channel independent extension line interface
- Extension line maximum length = 1 km
- Built-in 7 tone plants include two ringback tone, busy tone, warning tone, two dial tone and music on hold
- Provides free-port, non-blocking switching between ports onboard.
- Allows for a maximum of 2 sets of eight-way conference
- Dedicated processor to ensure background operation
- Pulse dialing; Pause, flash time selection, loop current drop detection (Trunk Interface)
- Ring detection; Loop current detection; Onhook / offhook control (Trunk Interface)
- Pickup/Hangup/Flash detection; Flash duration selection (Extension Interface)
- Ringing generation (Extension Interface)
- DTMF dialing; Pause time selection (Voice Unit)
- Detect caller hang up signal whether or not the system is playing or recording message (Voice Unit)
- Real time digitizing and decompression during recording and playback (Voice Unit)
- Call Progress detection of busy, dial, or ringback tone (Voice Unit)
- DTMF detection during playback or recording (Voice Unit)
- Expands to a maximum of 16 boards to support 128-channel trunk lines and 64-channel extension lines
- SCSA bus compatible
- Support SCSA bus switching

TECHNICAL SPECIFICATIONS

Host Interface:

- Bus: PCI 32 bit bus
- Shared Memory: 96K byte SRAM on each TX-0804.
- Interrupt: INTA
- Maximum Number of boards per system: 16

Analog Trunk Interface:

- Loop start
- Loop current drop detection
- Loop voltage polarity reverse detection
- Loop current: 20 -- 120 mA polarity insensitive
- Impedance: 600 ohm nominal
- Frequency response: 200 -- 3400 Hz
- Ring detection: 30Vrms -- 140Vrms (16 -- 68 Hz)
- Pulse dialing: 10/20 PPS, M/B ratio 33/66, 40/60 selectable
- Modular phone jacks with 1 RJ-45 outlets

Extension Interface:

- Loop start
- DC Supply: 55V (standby), 20V (active)
- Loop current: 20 mA
- Frequency response: 200 -- 3400 Hz
- Ringing: 50Vrms (20 Hz)
- Modular phone jacks with 2 RJ-45 outlets

Speech Digitizing (voice unit):

- Algorithm: G.711
- Storage requirement: 64 Kbps

Switching bus

- SCSA bus: One 26-pin connector to standard SCSA bus

Audio-In/Out

- Input volume: 20-2000 mV (RMS)
- Input Impedance: 10K ohm
- Output volume: 200-2000 mV (RMS)
- Output Load Impedance: > 8 ohm (recommended)
- Connector: 3.5 mm stereo earphone jack

DC power Input

- Input voltage: DC 12V
- Power consumption: 1A
- Connector: 5-pin power connector
- Wiring from PC power supply

APPLICATIONS

- PBX
- Automated attendant
- Voice mail/Voice messaging
- Interactive voice response
- Auto dialers
- Inbound/Outbound Tele-marketing